

WHAT IS CLAIMED IS:

1. A mobile telephone including a main body and a sub-body closably mounted on the main body, comprising:

5 an opening/closing device installed in the main body, for automatically opening and closing the sub-body against the main body;

a switch for driving the opening/closing device;

a detector for detecting an opening angle of the opening/closing device; and

a controller for controlling rotation of the opening/closing device to a predetermined opening angle by analyzing an output of the detector.

2. The mobile telephone as claimed in claim 1, wherein the opening/closing device comprises:

a hollow module housing with a through hole formed at one end thereof;

15 a decelerating module fixedly inserted in the module housing; and

a sub-body coupler fixed to an end of a driving module of the decelerating module, a part of the sub-body coupler projecting from the through hole of the module housing and being fixed to a side of the sub-body.

3. The mobile telephone as claimed in claim 2, wherein the decelerating module comprises:

a driving motor; and

a decelerating device coupled to the driving motor, for reducing the number of rotations and increasing a driving force of the driving motor.

4. The mobile telephone as claimed in claim 1, wherein the detector includes a lead switch which is turned on and off according to opening and closing of the sub-body by detecting a magnet mounted on the sub-body.

5. The mobile telephone as claimed in claim 1, wherein the detector includes a photo-sensor which is turned on and off according to opening and closing of the sub-body.

a) 5 6. The mobile telephone as claimed in claim 1, wherein the sub-body is a flip cover.

7. The mobile telephone as claimed in claim 1, wherein the sub-body is a folder.
